

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000904

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: E21B 43/01, 33/043, 33/035

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Dwpi: (E21B AND capill+) or (E21B 43/01, 43/013, 33/035, 33/07, 33/043, 33/038, 17/01 AND hang+)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2371062 A (SCHLUMBERGER HOLDINGS LIMITED) 17 July 2002 The whole document	1-8
A	WO 1998/036153 A1 (HITEC ASA) 20 August 1998 The whole document	1-8
A	CA 2327987 A1 (ROBBINS & MYERS ENERGY SYSTEMS, L.P., US) 8 June 2001 The whole document	1-8
A	US 3734179 A (SMEDLEY) 22 May 1973 The whole document	1-8

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
16 August 2004

Date of mailing of the international search report
18 AUG 2004

Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaaustralia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer
LEOPOLD FILIPOVIC
Telephone No : (02) 6283 2105

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000904

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6146052 A (JACOBSEN et al) 14 November 2000 The whole document	1-8

INTERNATIONAL SEARCH REPORT**Information on patent family members**

International application No.

PCT/AU2004/000904

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
GB	2371062	US	2002088623				
WO	9836153	AU	61247/98	NO	970657		
CA	2327987	US	2002070030				
US	3734179	US	3647230	US	3770058		
US	6146052	BR	9801487	BR	9801488	GB	2326177
		GB	2326758	NO	971984	NO	981163
		US	6046404				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX